Technical Service Note May 31, 2007

Enhanced IP Communication Between Bosch Security Systems, Inc. Control Panels and RPS

Affects:

- **GV2 Series, G Series, D9000 Series, and D9124 Control Panels**
- **DX4020 and D9133TTL-E Network Interface Modules**
- **RPS**

To maintain successful network communications, all new or existing control panels with the firmware revisions listed in *Section 2.0 Implementation* require RPS v5.5 and network interface modules configured to use Datagram Mode 02.

1.0 Description

The latest GV2, G, and D9000 Series firmware releases enable RPS workstations located on private networks, behind a router or firewall, to communicate with control panels outside of that network.

These control panels now support Port Address Translation (PAT) for networks that require it. PAT allows multiple internal hosts to share a single public IP address for communication, but guards them from exposing their own IP addresses to the public network.

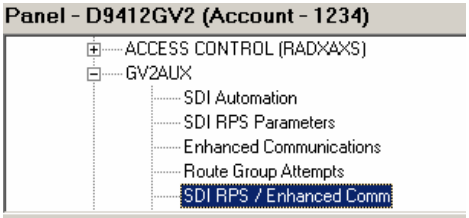
The benefits of this enhancement are:

- Typically, rules or port forwarding are not required for routers or firewalls.
- No static IP addresses are required for RPS workstations.
- Multiple RPS workstations on a LAN/WAN can share one public IP address through a router.

2.0 Implementation

To implement this IP communication enhancement, ensure that:

- GV2 Series control panels have v7.06 or later firmware installed.
- G Series and D9000 Series control panels have v7.00 or later firmware installed.
- DX4020 network interface modules have Bosch v1.5d or Bosch v5.8.8.3 or later firmware installed.
- D9133TTL-E network interface modules have Bosch v5.8.8.4 or later firmware installed.
- DX4020 and D9133TTL-E modules are configured to use Datagram Mode 02. For more information, refer to the *DX4020 Installation Guide* (P/N: F01U045288) or the *D9133TTL-E Installation Guide* (P/N: 4998122717).
- You are using RPS v5.5 or later.
- The central station's D6680 Port Number is programmed into the control panel's Base Port Number field:



SDI RPS / Enhanced Comm	Entry
Baud Rate	9600 baud
Parity / Stop Bit Configuration	No Parity, 1 Stop Bit
RTS Control Settings	Force RTS On
DTR Control Settings	Force DTR On
D9133 Supervision?	No
Base Port Number	7700

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